

Appl. No. 09/816,191
Amdt. dated January 17, 2005
Reply to Final Office Action of November 17, 2004
Docket. No.: GE04319 (010.0185)

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Currently Amended) A method (200) of verifying the integrity of software resident in a remote device in a network operated by a host, comprising the steps of:
 - providing a copy of a memory associated with said remote device to said host;
 - identifying, by said host, a subset of said memory associated with said remote device, said subset of said memory containing software code;
 - inserting, by said host, a random seed at a predetermined address within said memory subset;
 - performing (202), by said host, a hash function on said memory subset containing said seed;
 - determining a host hash value as a result of said performing step;
 - transmitting (204) said seed and indicia of said memory subset from said host to said remote device;
 - executing, by said remote device, said hash function on said memory subset containing said seed;
 - determining (208), by said remote device a remote hash value as a result of said executing step;
 - transmitting (210) said remote hash value from said remote device to said host; and
 - comparing (212), by said host, said host hash value to said remote hash value.
2. (Original) The method of claim 1, further comprising the step of determining a range that defines the subset of said memory.

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3. (Previously Amended) The method of claim 2, wherein the subset of said memory corresponds to code between a beginning address and an ending address, associated within a sector memory.

4. (Currently Amended) The method of claim 1, further comprising the step of identifying, by said host, an intermediary address (112).

5. (Previously Presented) A method (200) of verifying the integrity of software resident in a remote device in a network operated by a host device, said method comprising:

maintaining a copy of program code associated with said remote device at said host device;

performing (202), by said host device, a hash function on a subset of said copy of program code;

determining a host hash value as a result of said performing step;

transmitting (204) indicia of said subset of said copy of program code from said host device to said remote device;

identifying, by said remote device and in response to said indicia, a subset of program code maintained at said remote device;

executing, by said remote device, said hash function on said subset of program code;

determining (208), by said remote device, a remote hash value as a result of said executing step;

transmitting (210) said remote hash value from said remote device to said host device;

and

comparing (212), by said host device, said host hash value to said remote hash value.